BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements and development of parks in Ward No. 04 of Yelahanka New Town Sub Division

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No-27,I No-5.33)								
	For Drain	Sqm							
	Basaveshwara Park								
	Surround		1	428.00	0.90		385.20		
							385.20		
	consider 50% for R & R						192.60		
							192.60	111.30	**21436.38**
	Basic Rate Rs.=	105.00							
	Add 6% A.W Rs. =	6.30							
	Total Rate Rs. =	**111.30**							
2	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	For RCC Drain	Cum							
	Basaveshwara Park								
	Surround		1	435.00	1.20	0.40	208.80		
	Debris		5	50.00	1.50	0.30	112.50		
	Sir M. Visveswaraya park								
	North side debris		1	138.00	3.00	0.65	269.10		
							590.40	215.28	**127101.31**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Drain	Cum							
	Basaveshwara Park								
	Surround		1	435.00	1.10	0.15	71.78		
	For Kerb stones								
	Surround		1	428.00	0.30	0.15	19.26		
	missing kerbs in pathway		1	10.00	0.30	0.15	0.45		
			1	15.00	0.30	0.15	0.68		
			1	40.00	0.30	0.15	1.80		
			1	25.00	0.30	0.15	1.13		
			1	34.00	0.30	0.15	1.53		
			1	20.00	0.30	0.15	0.90		
			1	19.00	0.30	0.15	0.86		
			1	24.00	0.30	0.15	1.08		
							99.45	5421.90	**539207.96**

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							
	Basaveshwara Park								
	Bottom slab								
	Surround		1	435.00	0.90	0.15	58.73		
	side walls								
	Surround		2	435.00	0.15	0.70	91.35		
							150.08		
					Net Qty.		**150.08**	7070.20	**1061060.27**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
5	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 60 kg / cum	Tonne		150.08	0.060	--	9.00		
							9.00	73992.24	**666263.13**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
6	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	Basaveshwara Park								
	Surround		1	428.00	0.90	--	385.20		
							385.20		
	Deduct 50% available						192.60		
							192.60	2337.00	**450106.20**
	Data Rate Rs. =	2337							
7	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
		Nos							
	Basaveshwara Park								
	Surround		1	428.00			428.00		

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	missing kerbs in pathway		1	10.00			10.00		
			1	15.00			15.00		
			1	40.00			40.00		
			1	60.00			60.00		
			1	34.00			34.00		
			1	60.00			60.00		
			1	19.00			19.00		
			1	24.00			24.00		
							690.00		
							1533.00		
							1533.00	432.48	**662991.84**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
8	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	For Drain	Sqm							
	Basaveshwara Park								
	Surround		1	428.00	0.40		171.20		
	missing kerbs in pathway		2	18.00	0.40		14.40		
			2	31.00	0.40		24.80		
			2	39.00	0.40		31.20		
			2	30.00	0.40		24.00		
			2	336.00	0.40		268.80		
			2	27.00	0.40		21.60		
			2	36.00	0.40		28.80		
			2	25.00	0.40		20.00		
							604.80	84.80	**51287.04**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
9	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS (P.No-103,I No-14.6), 60mm thick								
	For Drain	Sqm							
	Basaveshwara Park								
	Damaged cobbles in pathway		1	15.00	2.00		30.00		
			1	25.00	2.40		60.00		
			1	20.00	1.80		36.00		
			1	40.00	1.50		60.00		
			1	18.00	1.60		28.80		
			1	15.00	1.80		27.00		
			1	34.00	2.00		68.00		
			1	10.00	2.00		20.00		
							329.80	1116.18	**368116.16**
	Basic Rate Rs.=	1053.00							
	Add 6% A.W Rs. =	63.18							
	Total Rate Rs. =	**1116.18**							

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications. (P.No 151 of I.No.19.97 of PWD BCSR 2018-19)								
	For Saucer Drain	Qtl	1	10.00		2.00	**20.00**	7618.22	**152364.40**
	Basic Rate Rs.=	7187.00							
	Add 6% A.W Rs. =	431.22							
	Total Rate Rs. =	**7618.22**							
I	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 (P.No-147,I No-19.60)								
		Cum							
	Sir M. Visveswaraya park								
	North side		1	138.00	3.00	0.40	165.60		
							165.60	344.50	**57049.20**
	Basic Rate Rs.=	325.00							
	Add 6% A.W Rs. =	19.50							
	Total Rate Rs. =	**344.50**							
12	KSRRB M300- 2.1. Grassing with Doobs grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for moving including supplying good earth if needed complete as per specifications. MORTH Specification No. 307 i) In rows 15 cm apart in either direction. (P.No-148,I No-19.78)								
		Sqm							
	Sir M. Visveswaraya park								
	North side		1	138.00	3.00		414.00		
							414.00	48.76	**20186.64**
	Basic Rate Rs.=	46.00							
	Add 6% A.W Rs. =	2.76							
	Total Rate Rs. =	**48.76**							
13	KSRRB M300-7.1. Planting permanent hedges including digging of trenches, 60 cm wide and 45 cm deep, refilling the excavated earth mixed with farmyard manure, supplied at the rate of 4.65 cum per 100 metres and supplying and planting hedge plants at 30 cm apart complete as per specifications. A) Planting permanent hedges including digging of trenches MORTH Specification No. 307. (P.No-149,I No-19.84)								
		m							
	Sir M. Visveswaraya park								
	North side		1	120 00			120.00		
							120.00	313.76	**37651.20**
	Basic Rate Rs.=	296.00							
	Add 6% A.W Rs. =	17.76							
	Total Rate Rs. =	**313.76**							

Description of work	Unit	No	Length	Breadth	Depth		te	Amount
			m	m	m		Rs	in Rs
Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sar hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq s at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ign in between sq. rods and heads at top, middle and bottom. Intermediate supports 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)								
Gate	Sqm							
Basaveshwara Park								
Gate 1		1	7.50		2.40	18.00		
Gate 2		1	1.50		2.40	3.60		
						21.60	12475.00	**269460.00**
Data Rate Rs. =	12475.00							
						Sub Total 1 Rs.		**4462845.34**
Add GST @ 12%								**535541.44**
						Sub Total 2 Rs.		**4998386.78**
Miscellaneous & Rounding off								**1613.22**
							Total Rs.	**5000000.00**

CERTIFICATE:

1 The work spot has been inspected by me and the work is found to be necessary.

2 The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 21-10-201 9and Data Rates

3 The Provisions made in the estimate are quite necessary and adequate.

4 The area comes with in the BBMP limits.

Ramanjeerah
Assistant Engineer
Ward 04
BBMP

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Assistant Executive Engineer
Yelahanka Satellite Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

Administrative Sanction for Rs. ...Fifty lakhs only...
is accorded under head ...P-3292... 14th Finance Commission works
Registered as CE No. ... Subject to conditions contained in
No. EE/YNK/AS/75/2019-20 ... 9/1/2020
Executive Engineer

Technical Sanction
Accorded for Rs 50 lakhs only
Head of A/C. P 3292
CER NO : 294 Dt: 09.01.2020
TA
CE (YNK)

Name of work: Improvements and development of parks in Ward No. 04 of Yelahanka New Town Sub Division

Ramamurthy

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಡಿ.ಎ.ಪ್ರಾ. ಬೆಂಗಳೂರು-೫೬